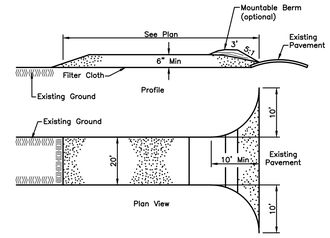
SEDIMENT & EROSION CONTROL NOTES

1. ALL SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE "WEST VIRGINIA 2006 EROSION AND SEDIMENT CONTROL BMP MANUAL."
2. A STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON DETAIL SHALL BE CONSTRUCTED AT LOCATION SHOWN ON THE PLAN.
3. AREAS OF DEVELOPMENT SHALL BE PLANNED IN PHASES TO MINIMIZE EXPOSURE TO DISTURBED GROUND. GRADING SHALL BE COMPLETED AS SOON AS POSSIBLE AFTER IT HAS BEGUN.
4. ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER A STORM EVENT OF 0.5" OR GREATER, AND REQUIRED MAINTENANCE PERFORMED TO INSURE EFFECTIVE SEDIMENT CONTROL.
5. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION IS ESTABLISHED.
6. ALL AREAS NOT COVERED BY PAVEMENT SHALL BE SEEDED USING PERMANENT SEED MIXTURE SHOWN ON THIS PLAN.
7. UPON COMPLETION OF STOCKPLING TOPSOIL SEED AND MULCH USING TEMPORARY SEED MIXTURE SPECIFICATIONS. ALL AREAS SHALL BE STABILIZED AS RAPIDLY AS POSSIBLE IF NO ACTIVITIES ARE TO TAKE PLACE WITHIN 21 DAYS BUT IN ALL CASES STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF THE END OF CONSTRUCTION ACTIVITIES.
8. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE ALL DISTURBED AREAS MUST BE STABILIZED, AS NOTED IN NOTE 7 UPON REACHING FINAL GRADE ON THE SITE AREA BEING IDLED.
9. FILLS SHALL BE COMPACTED TO PREVENT EROSION.
10. SEDIMENT IN RUNOFF WATER SHALL BE TRAPPED UNTIL DISTURBED AREA IS STABILIZED.

SEED BED PREPARATION

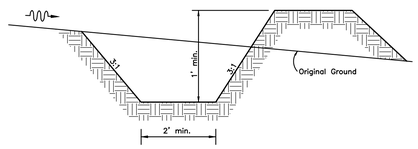
1. LIMIT PREPARATION TO AREAS WHICH WILL BE IMMEDIATELY SEEDED.
2. LOOSEN TOPSOIL OF LAWN AREAS TO A MINIMUM DEPTH OF 4". REMOVE STONES OVER 1" IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND EXTRANEOUS MATTER.
3. GRADE LAWN AREAS TO A SMOOTH, FREE DRAINING EVEN SURFACEC WITH A LOOSE, MODERATELY COARSE TEXTURE, ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS ASS REQUIRED TO DRAIN.
4. APPLY LIMESTONE AT RATE SHOWN IN PERMANENT SEED MIXTURE. DISTRIBUTE EVENLY BY MACHINE AND INCORPORATE THOROUGHLY INTO TOPSOIL.
5. APPLY FERTILIZER AT RATE SHOWN IN PERMANENT SEED MIXTURE.
6. APPLY FERTILIZERS BY MECHANICAL ROTARY OR DROP TYPE DISTRIBUTOR, THOROUGHLY AND EVENLY INCORPORATED WITH SOIL TO A DEPTH OF 3" BY DISCING OR OTHER APPROVED METHOD. FERTILIZE AREAS INACCESSIBLE TO POWER EQUIPMENT WITH HAND TOOLS AND INCORPORATE INTO SOIL.
7. RESTORE PREPARED AREAS TO SPECIFIED CONDITION IF ERODED, SETTLED, OR OTHERWISE DISTURBED AFTER FINE GRADING AND PRIOR TO SEEDING.
8. SEED IMMEDIATELY AFTER PREPARATION OF BED.
9. PERFORM SEEDING OPERATIONS WHEN THE SOIL IS DRY AND WHEN WINDS DO NOT EXCEED 5 MILES PER HOUR VELOCITY.
10. APPLY SEED WITH A ROTARY OR DROP TYPE DISTRIBUTOR, INSTALL SEED EVENLY BY SOWING EQUAL QUANTITIES IN 2 DIRECTIONS AT RIGHT ANGLES TO EACH OTHER.
11. SOW GRASS SEED AT RATE SHOWN IN PERMANENT SEED MIXTURE.
12. AFTER SEEDING, RAKE OR DRAG SURFACE OF SOIL LIGHTLY TO INCORPORATE SEED INTO TOP ½" OF SOIL, ROLL WITH LIGHT LAWN ROLLER.
13. PLACE STRAW MULCH ON SEEDED AREAS WITHIN 24 HOURS AFTER SEEDING.
14. PLACE STRAW MULCH UNIFORMLY IN A CONTINUOUS BLANKET AT THE RATE OF 1-1/2 TONS PER ACRE.
15. ANCHOR STRAW MULCH WITH ASPHALTIC EMULSION BINDER APPLIED UNIFORMLY AT A RATE OF NOT LESS THAN 200 GAL. PER ACRE.
16. PROTECT BUILDINGS PAVING, PLANTINGS, AND ALL NONSEEDED AREAS FROM ASPHALTIC EMULSION OVER SPRAY.



Construction Specifications

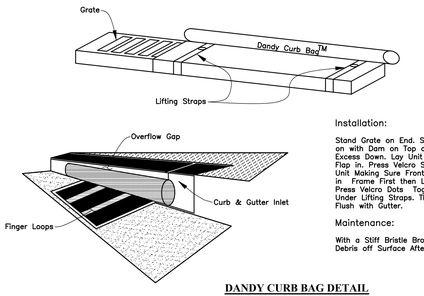
1. Stone Size – Use 2" Stone, or Reclaimed or Recycled Concrete Equivalent.
2. Length – as Required.
3. Thickness – not Less than Six (6) Inches.
4. Width – Twenty (20) Foot Minimum, but not Less than the Full Width at Points where Ingress or Egress Occurs.
5. Filter Cloth – will be Placed Over the Entire Area Prior to Placing of Stone.
6. Surface Water – All Surface Water Flowing or Diverted Toward Construction Entrances shall be Piped Across the Entrance. If Piping is Impractical, a Mountable Berm with 5:1 Slopes will be Permitted. Cost of Pipe shall be Included in the Price Bid for the Stabilized Construction Entrance.
7. Maintenance – The Entrance shall be Maintained in a Condition which will Prevent Tracking or Flowing of Sediment onto Public Right-of-Way. This may Require Periodic Top Dressing with Additional Stone as conditions Demand and Repair and/or Cleanout of any Measures used to Trap Sediment. All Sediment Spilled, Dropped, Washed or Tracked onto Public Rights-of-Way must be Removed Immediately.
8. Washing – Wheels shall be Cleaned to Remove Sediment Prior to Entrance onto Public Right-of-Ways. When Washing is Required, it shall be Done on an Area Stabilized with Stone and which Drains into an Approved Sediment Trapping Device.
9. Periodic Inspection and Needed Maintenance shall be Provided After Each Rain.

STABILIZED CONSTRUCTION ENTRANCE
Not To Scale



MAINTENANCE: All channels shall be seed and strawed immediately following their construction. The contractor shall be held responsible for maintenance of the channel prior to completion of the project. The slope of the channel shall be such to provide adequate drainage throughout the entire length of the channel.

DIVERSION CHANNEL
No Scale



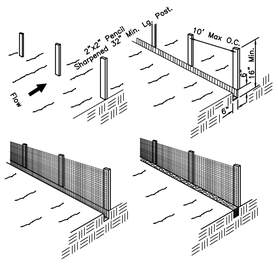
Installation:

Stand Grate on End. Slide the Dandy Curb Bag on with Dam on Top of the Grate. Pull all Excess Down. Lay Unit on its side. Carefully Tuck Flap in. Press Velcro Strips Together. Install the Unit Making Sure Front Edge of Grate is Inserted in Frame First then Lower Back into Place. Press Velcro Dots Together which are Located Under Lifting Straps. This Insures Straps Remain Flush with Gutter.

Maintenance:

With a Stiff Bristle Broom Sweep Silt and Other Debris off Surface After Each Event.

DANDY CURB BAG DETAIL
Not To Scale



1. The Height of A Silt Fence shall not Exceed 36 Inches (Higher Fences May Impound Volumes of Water Sufficient to Cause Failure of the Structure).
2. The Filter Fabric shall be Purchased in a Continuous Roll Cut to the Length of the Barrier to Avoid the Use of Joints. When Joints are Necessary, Filter Cloth shall be Spliced Together Only at a Support Post, with a Minimum of a 6-inch Overlap, and Securely Sealed.
3. Posts shall be Spaced a Maximum of 10 Feet apart at the Barrier Location and Driven Securely Into the Ground (Minimum Of 12 Inches).
4. A Trench shall be Excavated Approximately 6 Inches Wide and 6 Inches Deep Along the Line of Posts and Upslope from the Barrier.
5. The Filter Fabric shall be Stapled or Wired to the Fence, And 8-inches of the Fabric shall be Extended Into the Trench. The Fabric shall not Extend More than 36 Inches above the Original Ground Surface. Filter Fabric shall not be Stapled to Existing Trees.
6. The Trench shall be Backfilled and Soil Compacted Over the Filter Fabric.
7. Silt Fences shall be Removed when they have Served their Useful Purpose, but not Before the Upslope Area has been Permanently Stabilized.

Maintenance:

Silt Fences and Filter Barriers shall be Inspected Immediately After Each Rainfall and at Least Daily During Prolonged Rainfall. Any Required Repairs shall be Made Immediately.

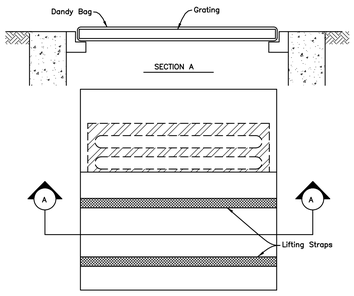
Should the Fabric on a Silt Fence or Filter Barrier Decompose or Become Ineffective Prior to the End of the Expected Usable Life and the Barrier is Still Necessary, the Fabric Shall be Replaced Promptly.

Sediment Deposits Should be Removed After Each Storm Event. They must be Removed when Deposits Reach Approximately One-half the Height of the Barrier.

Any Sediment Deposits Remaining in Place After the Silt Fence or Filter Barrier is no Longer Required shall be Dressed to Conform with the Existing Grade, Prepared and Seeded.

SEDIMENT FENCE DETAIL
Not To Scale

Minimum Criteria for Silt Fence Fabric



Installation:

Stand Grate on End. Place Dandy Bag Over Grate. Roll Grate Over so that Open End is Up. Pull Up Slack. Tuck Flap in. Be Sure End of Grate is Completely Covered by Flap or Dandy Bag will not Fit Properly. Holding Handles, Carefully Place Dandy Bag with Grate Inserted into Catch Basin Frame so that Red Dot on the Top of the Dandy Bag is Visible.

Maintenance:

With a Stiff Bristle Broom or Square Point Shovel Remove Silt & Other Debris Off Surface After Each Event.

DANDY BAG
SEDIMENT FILTER DETAIL
Not To Scale

For Structures indicated on plans.

Note: Frye Flow Systems Inlet Sedimentation Assembly May be Used as an Alternate.

BID DOCUMENTS
FULLY SPRINKLERED

Revisions:	Date

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Approved: Project Director

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Location: VAMC MARTINSBURG

Date: 8/6/2012 | Checked: JAM | Drawn: SBO

Project Number: VA PN 613-207

Building Number: 513

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